

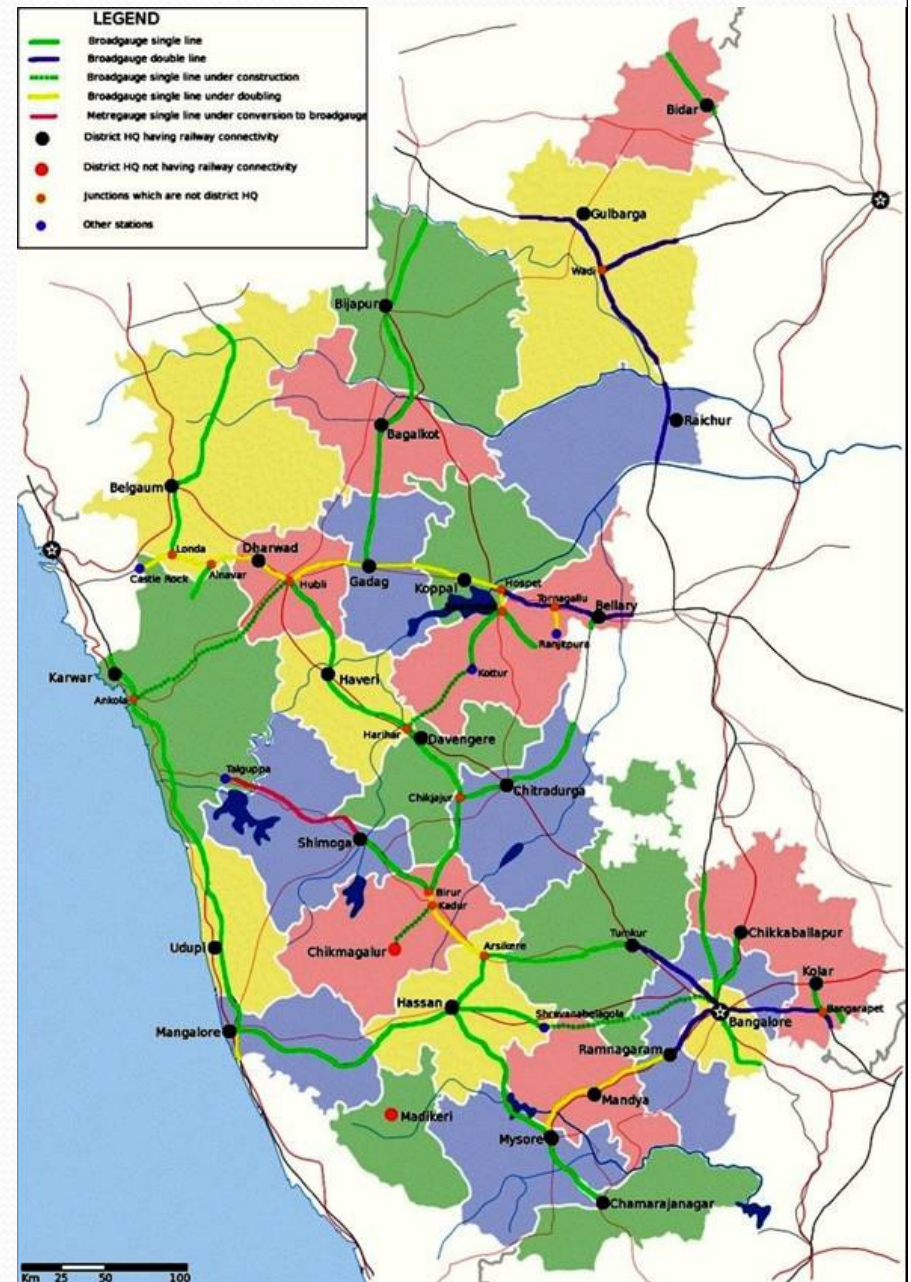
# Railway Infrastructure Plan, Karnataka: Present an Future

IDD, Govt of Karnataka welcomes



# The Need

- To provide impetus for development of:
  - Connectivity with ports & industrial zones
  - General development: commerce, industry, tourism
  - Movement of Labour Force
  - Connectivity to power plants
  - Connectivity to Habitations

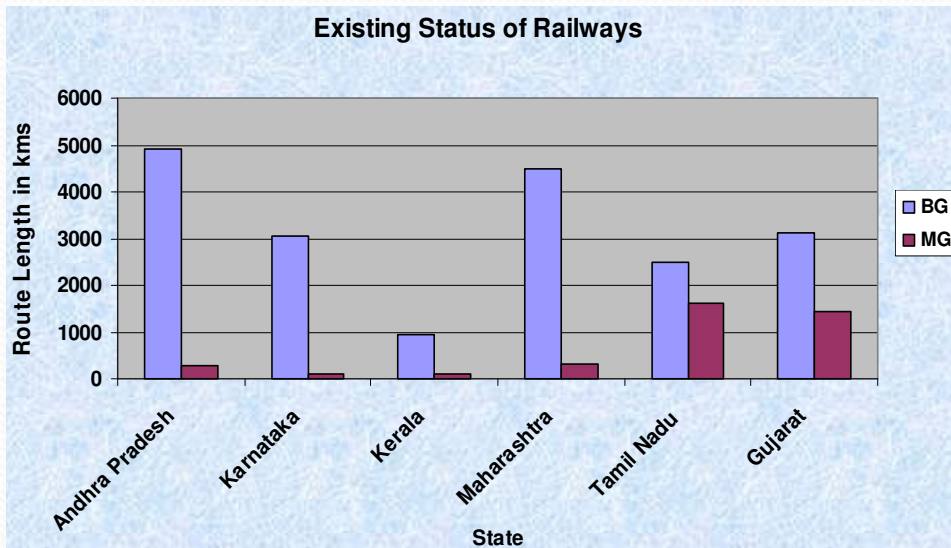


# Existing Railway Network



# Comparison with other States

State/Gauge-wise Total Length of Railways Lines in Indian Railways					
States	Area (Sq km)	Route length in Kilometers			
		BG	MG	NG	Total
Andhra Pradesh	2,75,045	4904	268	0	5172
Gujarat	1,96,024	3119	1422	787	<b>5328</b>
<b>Karnataka</b>	<b>1,91,791</b>	<b>3069</b>	<b>97</b>	<b>84</b>	<b>3250</b>
Kerala	38,863	933	117	0	1050
Maharashtra	3,07,713	4489	313	733	5535
Tamil Nadu	1,30,058	2507	1624	0	4131



- ▶ Karnataka and Gujarat are comparable in term of area
- ▶ Karnataka has just 56% of route length present in Gujarat.

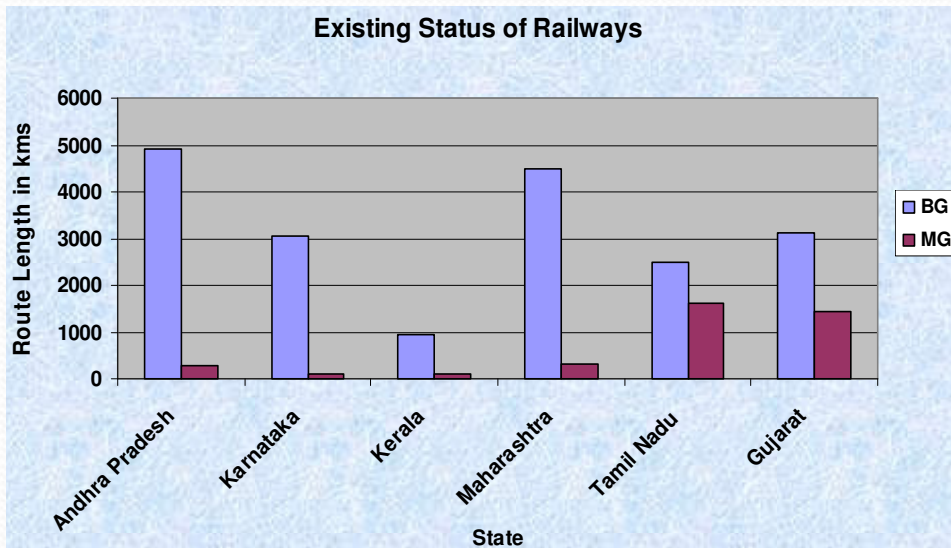
# Route Lengths

States	Population (in crores)	Route length per 1000 sqkm area (in Kilometres)		Route length per 100,000 population (in Kilometres)	
		BG	All Type	BG	All Type
Andhra Pradesh	7.62	17.8	18.8	6.4	6.8
Gujarat	5.06	15.9	27.2	6.2	<b>10.5</b>
<b>Karnataka</b>	<b>5.27</b>	<b>16.0</b>	<b>16.9</b>	<b>5.8</b>	<b>6.2</b>
Kerala	3.18	24.0	27.0	2.9	3.3
Maharashtra	9.67	14.6	18.0	4.6	5.7
Tamil Nadu	6.22	19.3	31.8	4.0	6.6

- ▶ Karnataka is comparable to Gujarat in terms of population.
- ▶ Though the numbers for Broad Gauge are comparable, the total route length per 1000 sqkm is almost half of the existing figures for Gujarat.

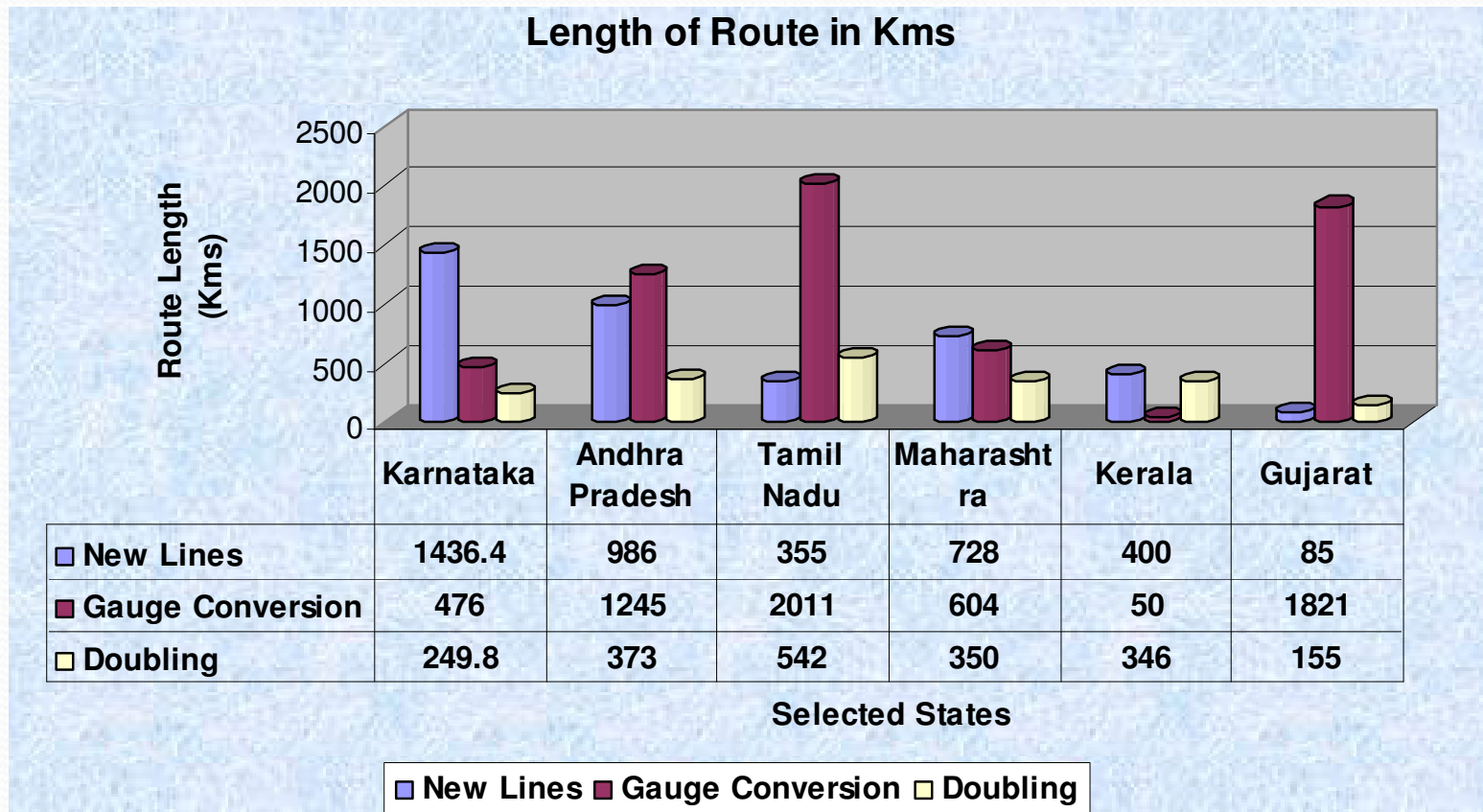
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# Status compared to other States



- ▶ huge gap exists between the existing facilities and requirement

Particulars	Details			Remarks
	No	Kms	Cost (Rs. cr.)	
<b>A. Under Implementation</b>				
New lines	10	1436.4	7721.8	3 projects are cost sharing by GoK of 361 km of anticipated Rs. 7721.8 cr. is GoK Share. Till date 234.57 cr. Released
Gauge Conversion	2	476.0	847.0	2 projects are cost sharing by GoK of 381 km of Rs.112.5 cr. is GoK Share. Till date 207.36 cr. Released. This also includes the funds released for Gadag- Sholapur line.
Doubling	8	249.8	1219.8	1 project is cost sharing by GoK of km 99 of Rs. 202.90 cr. is GoK Share. Till date 112.8 cr. Released for Bangalore-Mysore project.
<b>Sub Total</b>	<b>20</b>	<b>2162.2</b>	<b>9788.6</b>	
<b>B. Electrification</b>	<b>3</b>	<b>347.0</b>	<b>246.6</b>	1 project is cost sharing by GoK of km 99 of Rs. 202.90 cr. is GoK Share. Till date 112.8 cr. Released for Bangalore-Mysore project including electrification.
<b>C. Surveys</b>				
Completed	11	1335.0	6675.0	With Rly. Board for consideration
Under Progress	15	1386.0	6930.0	Survey under different stages
<b>Sub Total</b>	<b>26</b>	<b>2721.0</b>	<b>13605.0</b>	
<b>Total (A+B+C)</b>	<b>49</b>	<b>5230.2</b>	<b>23640.2</b>	



# Summary of key works completed(2002-09)

No	Particulars	Length (Km)	Expenditure(Rs In Cr)
1	New Lines	60	466.9
2	Gauge Conversions	258	709.6
3	Doubling	180	543.2
4	Other Facilities		340.8
	<b>Total</b>	<b>498</b>	<b>2060.5 (530)</b>

# Summary of key works completed(2002-09)

No.	Particulars	Length (Km)	Year
<b>New Lines (A)</b>			
1	Hassan-Shravanabelagola	46	2005-06
2.	Chikbanavar – Nelamangala (Bangalore)	14	2007-08
	<b>Total (A)</b>	60	
<b>Gauge Conversions (B)</b>			
1.	Baiyappanahalli – Yesvantpur	20	2002-03
2.	Kankanadi-Kabakaputtur	44	2003-04
3.	Kabakaputtur-Subramanya Road	42	2005-06
4.	Sakaleshpur-Subramanya Road	55	2006-07
5.	Bijapur- Bagalkot	97	2006-07
	<b>Total (B)</b>	258	

# Railway projects in progress

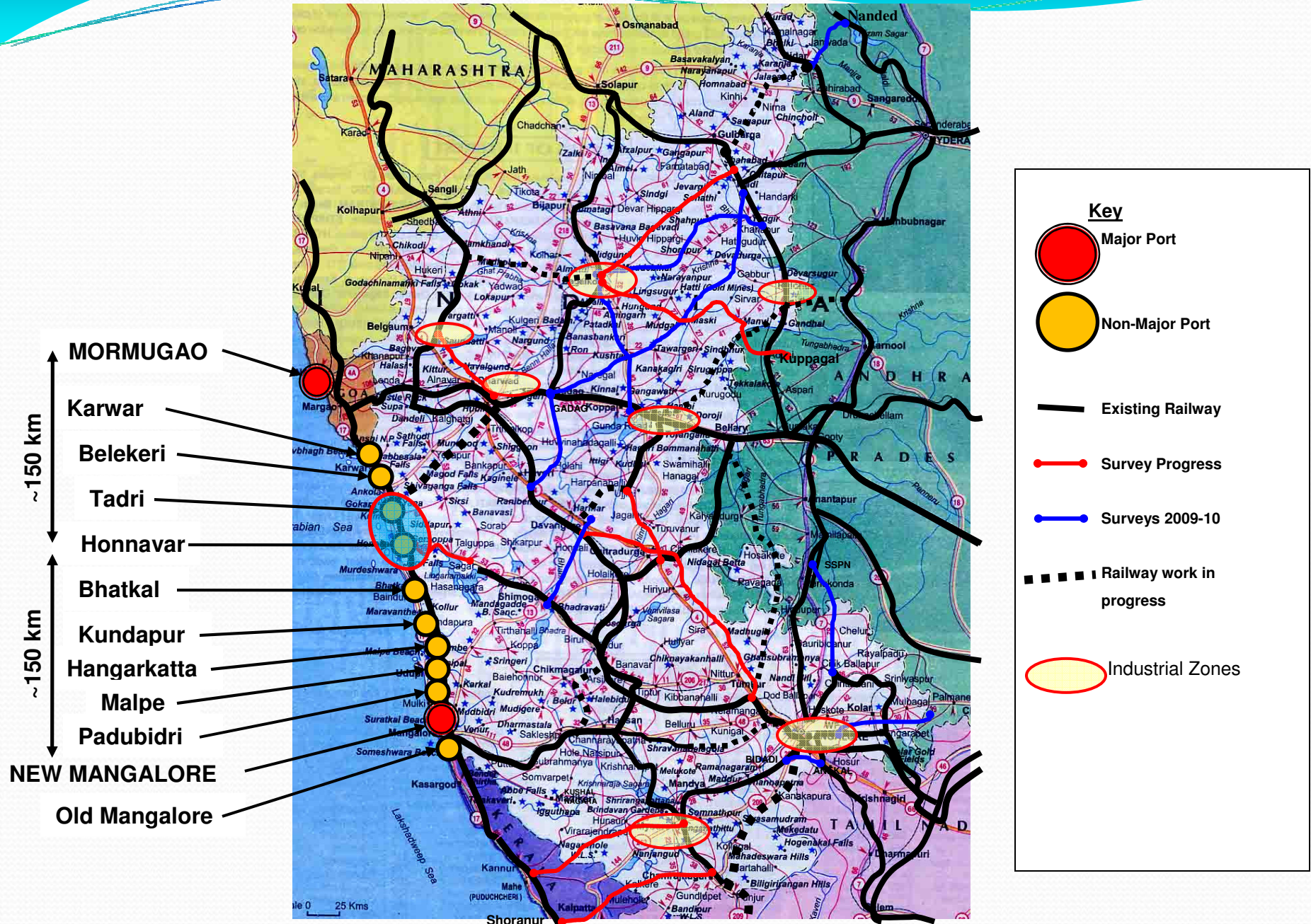


NL: 10 cs: 3

GC: 3 cs: 2

DL: 8 cs: 1

# Port / Railways / Industrial Zones



# Priority Projects

N o.	Name of the Project	Cost (Rs.crores)	Total Kms	Remarks	Purpose	Recommendations
1	Hubli-Ankola	1000	167	Held up on account of CEC on environmental issues.	Port Connectivity.	K-RIDE
2	Bijapur - Shahbad	840	140	The proposal has been sent to MoR from GoK. Response is awaited.	Development of Cement Industrial Zone	K-RIDE
3	Shimoga- Harihara	504	84	Proposal has been sent to MoR through letter No:CM/460/Gol/2009 dated 26/8/2009	Port connectivity and Industrial Development	K-RIDE
4	Gadag - Haveri	350	84	Survey is under progress.	Port connectivity and Industrial Development	K-RIDE
5	Whitefield- Kolar- Mulbagal	350	52	Survey Completed	Industrial Zones (for movement of Labor force)	K-RIDE
6	Kuduchi - Bagalkot	816	142	Surveys completed and report submitted to Railway Board. It is with planning Commission for approval.	Development of Cement Industrial Zone and port connectivity	RAILWAYS
7	Tumkur - Davanagere	913	210	Surveys completed and report submitted to Railway Board.	To reduce traveling time between North and South Karnataka.	RAILWAYS

# Priority Projects

No.	Name of the Project	Cost (Rs.crores)	Total Kms	Remarks	Purpose	Recommendations
8	Alamatti - Koppal	600	150	Tender for Survey called on 14-10-09.	Connectivity of Cement and Iron ore Industries to port towards the eastern coast.	RAILWAYS
9	Londa - Goa (Doubling)	436.4	109	24.4 Km lies in Karnataka. Rs.120 cr is for this stretch. Forest clearance is required. RVNL proposes to do the doubling work between Hospet to Goa (Vasco). This proposal is submitted to the Planning Commission for clearance.	Connectivity for port, cement zone and power projects	RAILWAYS / K-RIDE
<b>TOTAL</b>		<b>5809</b>	<b>1138</b>			

# Key Issues

- Land Acquisition
- Environmental Clearance- *Biological Hot Spot*- Economic well being of poor not an essential component of ecological balance!
- Limited Allocation
- Projects on *scheme- mode* than on *project – mode*!
- Potential of rare natural bounty- coast line –port connectivity to hinterland not prioritised



# Summary of Ongoing Projects

Particulars	Details			Remarks
	No	Kms	Cost (Rs. cr.)	
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# Ongoing Projects in Karnataka – Cost Sharing

Sl.No.	Projects	Kms.	Sanctioned		Revised Cost	Sharing		Expenditure	Target Date of Commissioning	Land	Remarks
			Year	Cost Rs. In crore		GoK	GoI				
<b>New Line</b>											
1	Munirabad – Raichur-Mehaboobnagar	246	2007-08	497.47	497.47	½	½	30	NA	LAQ under process	GoK released till date Rs.10.00 Cr to SWR, Rs.5 Cr to SCR.
2	Bidar-Gulbarga	106	2002/03	369.7	360.7	½	½	130	NA	LAQ under process	GoK released till date Rs.65.00 Cr.
3	Kottur-Harihar	65	1995-06	124.13	281.2	1/3	2/3	130.28	Dec.2009	LAQ under process	GoK released till date Rs.154.57 Cr. and Rs.15.00 Cr under process of release.
<b>Gauge Conversion</b>											
1	Solapur – Gadag	284	1995	417.07	495	½	½	317.9	Commissioned	completed	GoK released till date Rs.157.36 Cr and Rs.6.50 Cr under process of release.
2	Shimoga–Talaguppa	97	1992	158.95	225	½	½	82.98	30/6/2008	No issue	GoK released till date Rs.76.50 Cr and Rs.10.00 Cr under process of release.
<b>Doubling</b>											
1	Bangalore Ramanagar --Mysore – Kengeri	135	2001 2007	429.93	553	2/3	1/3	173.42	2012	LAQ under process	GoK released till date Rs.115.61 Cr. TDC for Ramanagara shettihalli 28/2/09
<b>Total</b>		<b>933</b>		<b>1997.25</b>	<b>2412.27</b>			<b>864.58</b>			

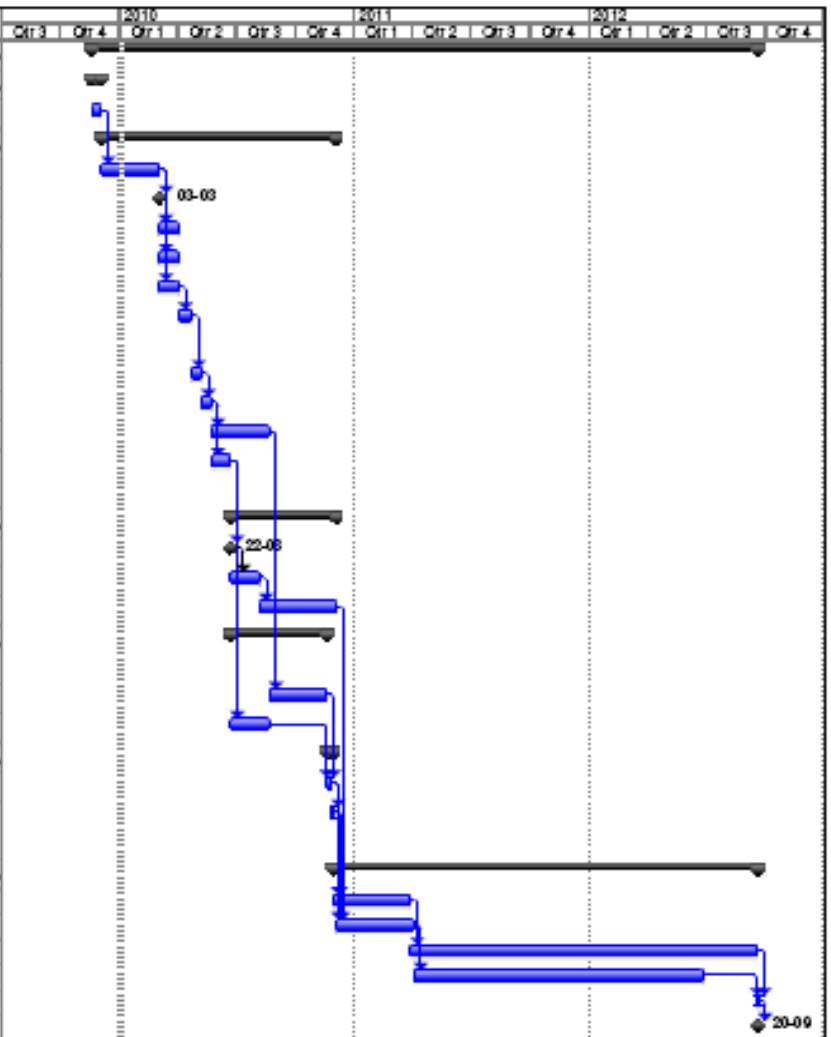
# Ongoing Projects in Karnataka – Non Cost Sharing

Sl.No. 1	Projects 2	Kms 3	Sanctioned		Revised Cost 5	Expen diture 6	Date of Commis sing 7	Land 8	Remarks 9
			Year 4a	Cost 4b					
<b>New Line</b>									
1.	Kadur- Chikkamagalur -Sakaleshpur	93	1996-97	69.15	450	68.59	NA	LAQ under process	Kadur to chikkamagalur work is in the final stage of completion.
2.	Bangalore - sathyamangala	260	1996-97	1300.0 0	1300.00	0.29	NA	Forest Clearance is pending	Hon'ble supreme court stayed survey work in pre text of elephant corridor
3.	Hubli- Ankola	167	1997-98	887.31	NA	94.45	NA	Forest Clearance is pending	Before central empowered committee
4.	Cudappa Bangalore	- 255.4	2007-08	1000	1000	NA	NA	LAQ required	Survey work in progress by SCR/ cost sharing by AP.govt
5.	Rayadurga Tumkur	- 213	2007-08	1000	NA	NIL	NIL	LAQ required	Budget sanctioned Rs. 15 Crs.
6.	Gadwal Raichur	- 22	2006-07	65	65	NA	NA	no issue with land	Final stage of completion by SCR.
7.	Hassn Bangalore	- 166	1997	412.91	412.91	288.21	NA	LAQ under process	LAQ pending with DCs of Hassan, Ramanagaram, Mandya, Tumkur

Sl.No .1	Projects 2	Kms 3	Sanctioned		Revised Cost 5	Expendit ure 7	Date of Commissing 8	Land 9	Remarks 10
			Year 4a	Cost 4b					
1.	Kolar Chikkabalapur	- 89.5	2006-07		98.83	52.38	2012	LAQ process under	DC/Chikkaballapur has to clear encroachment.
<b>Doubling</b>									
1.	Hubli- Hebsur	18.74	2006-07	56.99	56.99	21.23	28/2/09	No issue	Final stage of commissioning
2.	Arasikere- Birur	44.28	2007-08	98.21	98.21	2.82	28/2/09	LAQ process under	LAQ required.
3.	Dharwad- Kambargavi	26.15	2006-07	87.48	87.48	36.62	28/2/09	No issue	Final stage of commissioning. No LAQ issue.
4.	Kankanadi Panamburu	- 19.00	2004-05	147.8	147.8	NA	NA	No issue	Work done by southern Rly.No LAQ issue.
5.	Yelahanka Channasandra	- 12.90	2009-10	65.00	65.00	NA	NA	Railway has not requested	Work not yet started No LAQ issue
6.	Yeshwanthpur Yelahanka	- 12.00	2009-10	60.00	60.00	NA	NA	Railway has not requested	Work not yet started. No LAQ issue.
<b>Total</b>		<b>1398.97</b>		<b>5348.68</b>	<b>3743.39</b>	<b>564.59</b>			

# RoB Schedule

ID	Task Name	Duration	Start	Finish	Progress % Complete	2010	2011	2012												
						Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1	<b>ROB No:</b>	1037 days?	Thu 19-11-09	Thu 20-09-12	0%															
2	Sanction	15 days	Thu 19-11-09	Thu 03-12-09	0%															
3	Decision of agency	15 days	Thu 19-11-09	Thu 03-12-09	0%															
4	<b>GAD</b>	366 days	Fri 04-12-09	Sat 04-12-10	0%															
5	Agency	90 days	Fri 04-12-09	Wed 03-03-10	0%															
6	Entrustment	0 days	Wed 03-03-10	Wed 03-03-10	0%															
7	Topography	30 days	Thu 04-03-10	Fri 02-04-10	0%															
8	Geotech	30 days	Thu 04-03-10	Fri 02-04-10	0%															
9	Ply GAD	30 days	Thu 04-03-10	Fri 02-04-10	0%															
10	Joint inspection by all	21 days	Sat 03-04-10	Fri 23-04-10	0%															
11	Ply Approvals	15 days	Sat 24-04-10	Sat 08-05-10	0%															
12	Final GAD	15 days	Sun 09-05-10	Sun 23-05-10	0%															
13	Approvals Rlys	90 days	Mon 24-05-10	Sat 21-08-10	0%															
14	Approval by Agencies	30 days	Mon 24-05-10	Tue 22-06-10	0%															
15	<b>LAQ</b>	165 days	Tue 22-06-10	Sat 04-12-10	0%															
16	Application	0 days	Tue 22-06-10	Tue 22-06-10	0%															
17	Ply Notification	45 days	Wed 23-06-10	Fri 06-08-10	0%															
18	Final	120 days	Sat 07-08-10	Sat 04-12-10	0%															
19	<b>Estimations/ Internal approvals</b>	150 days	Wed 23-06-10	Fri 19-11-10	0%															
20	Rlys	90 days	Sun 22-08-10	Fri 19-11-10	0%															
21	Agencies	60 days	Wed 23-06-10	Sat 21-08-10	0%															
22	<b>Acceptance in IDD</b>	10 days	Sat 20-11-10	Mon 29-11-10	0%															
23	Sanction	7 days	Sat 20-11-10	Fri 26-11-10	0%															
24	Money release to KRIDE	3 days	Sat 27-11-10	Mon 29-11-10	0%															
25	<b>Execution</b>	661 days?	Tue 30-11-10	Thu 20-09-12	0%															
26	Procurement- Rlys	120 days	Tue 30-11-10	Tue 29-03-11	0%															
27	Procurement- Agencies	120 days	Sun 05-12-10	Sun 03-04-11	0%															
28	Execution Rlys	540 days	Wed 30-03-11	Wed 19-09-12	0%															
29	Agencies	450 days	Mon 04-04-11	Tue 26-06-12	0%															
30	Commissioning	1 day?	Thu 20-09-12	Thu 20-09-12	0%															
31	EOP	0 days	Thu 20-09-12	Thu 20-09-12	0%															



Project: ROB  
Date: Sat 02-01-10

Task Progress Summary External Task Deadline  
Split Milestone Project Summary External Milestone

# Ongoing RoBs / RuBs in Karnataka (1/9)

SI No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
1	74	Bangalore East - ROB in lieu of existing LC No. 138 at Rly. km. 348/5-6 -1 x 35.67 m PSC box between Bangalore East and Baiyyappanahalli stations across (Wheeler Road ) Corporation Road. BMP - RITES	138 (Wheeler Road )	Yes	15.46 (Detailed Estimate)	5.96	9.5	7.25 (BBMP)	2006	TDC Dec 09	Work nearing completion. BBMP to release the balance share to Railways.
2	75	Whitefield - ROB in lieu of existing LC No.132 at Rly.Km.333/1-2 - 1 x 40.15 m bowstring girder (PSC) + 2 x 9.50 m RCC slab near Whitefield station on Bangalore city - Jolarpettai section. SH	132	Yes	8.11 (Detailed Estimate under revision)	3.75 (Rev)	4.36 (Rev)	5.00 (IDD)	2006	TDC Dec 2009	Work nearing completion. Rev. Estimate under sanction.
3	76	Pandavapura- .ROB in lieu of LC No.95A at Km.119/6-7 4x22.981 m (SQ) 30.00m(SK) PSC slab on Bangalore city Mysore section. SH	95 A	Yes	8.13 (Detailed Estimate)	3.98	4.15	1.80 (IDD)	2003	2006 (Rly portion only)	Approach work to be taken up by KPWD.
4	78	Birur - ROB in lieu of LC No.2 at km3/13-14 - 1 x 30.20 m + 2 x 18.00 M PSC girder on Birur - Shimoga Town section (NH)	2	No	5.38 (Pink Book)	5.38	0	Nil	Not fixed	N.A	NH Road GAD yet to be finalised.
5	79	Bhadravathi - RUB in lieu of LC No.34 at Km.47/78 - 1 x 10.5 M RCC slab on Birur - Shimoga Town section (DR)	34	No	9.89 (Detailed Estimate)	5.39	4.50	Nil	Not fixed	N.A	NH Road GAD yet to be finalised.

# Ongoing RoBs / RuBs in Karnataka (2/9)

Sl No	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
6	80	Hebbal - ROB in lieu of LC No. 6 at Km.12/000-100 - 1 x 27.60 M + 2 x 20.0 M PSC girder on Hebbal - Yeswanthpur section ( Corporation Road)Gokul Gate. BMP - RITES	6	Yes	17.48 (Detailed Estimate)	6.08	11.4 (BBMP)	9.5 (BBMP)	2006	2008	Work completed by Railways and ROB commissioned. LC closed.
7	81	Mysore - ROB in lieu of LC No. 3 at Km.2/6-7 on Mysore - Chamarajanagar section. (Corporation)	3	No	5.38	Yet to be sanctioned	Nil	Nil	Not fixed	N.A	RUB is not feasible. LC to be closed duly diverting the traffic to nearby RUBs.
8	83	Bangalore City ROB in lieu of LC NO. 134 B at Km.343/2-3 - 1 x 34.724 m + 2 x 13.82M PSC girder on Krishnarajapuram - Baiyyappannahalli section. (District Road) IDD - RITES	134 B	No	6.03	Yet to be sanctioned	Nil	Nil	Not fixed	N.A	RUB GAD finalised.Work to be taken up after completing one deposit work RUB at nearby location to divert traffic.
9	84	Mysore ROB in lieu of LC No.1 at Km.1/10-11 - 1 x 10.50 M Span RCC box on Mysore - Chamarajanagar section. ( Corporation Road)	1	No	12.00 (Tentative Estimate not sanctioned)	6.00	6.00	3.00 (IDD)	Not fixed	N.A	Rly portion tender called. GAD yet to be approved by GoK.
10	87	Bhadravathi - RUB in lieu of LC No.33 at Km.45/13-14 - 1 x 10.50 m RCC Box on Shimoga - Bidare section. (District Road)	33	No	6.03	Estimate yet to be sanctioned.	Nil	Nil	Not fixed	N.A	RUB is not feasible as VISL land is involved for approach.

# Ongoing RoBs / RuBs in Karnataka (3/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
12	89	Haveri - ROB in lieu of LC No:234 at Km.389/500-600- 1 x 37.10m + 2 x 21.30m PSC Girder on Byadgi - Haveri section (NH)	234	No	Estimate not sanctioned. BOT project of NHAI		0	0	2003	likely in 2010.	Work done by NHAI (BOT)
13	91	Devergudda - ROB in lieu of LC No. 222 at Km.371/300-400 -3 x 37.10m+ 2 x 14.30m PSC girder on Davargudda - Byadgi section (NH)	222	No	Estimate not sanctioned. BOT project of NHAI		Nil		2003	likely in 2010.	Work done by NHAI (BOT)
14	92	Davangere - ROB in lieu of LC No. 207 at Km.334/400-500 -3 x 12.5m PSC girder on Davangere - Harihar section (NH)	207	No	6.03	Estimate not sanctioned.		Nil	Not fixed	N.A	GAD yet to be finalised. Linked with the diversion road parallel to Rly track.
15	93	Tolahunse - RUB in lieu of LC No.197 at Km.322/600-700 - 1X24m PSC girder Tolahunse - Davanagere - section. (SH) IDD - RITES	197	Yes	9.79	4.33	5.46	6.00 (IDD)	2007	March 2010 (likely)	Work in progress for Rly on the entire bridge.

# Ongoing RoBs / RuBs in Karnataka (4/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
16	94	Harihar - ROB in lieu of LC No. 208 at Km.337/100-200 - 5 x 32.0 m (SK)13.015 M(SQ) PSC girder on Davangere - Harihar section (SH) IDD - RITES	208	No	6.02	3.01	3.01	3.00 (IDD)	Not fixed	N.A	GAD under finalisation for RUB.
17	95	Nanjangud Town RUB In lieu of LC No.19 at Km.25/8-9 - 1 x 9.20 m RCC Box on Nanjangud Town - Chinnadagudi Hundi section (Municipal Road) IDD - RITES	19	Yes	4.98	2.3	2.68	3.00 (IDD)	2006	2008	Work completed by Rly. & commissioned. LC closed.
18	96	Shimoga Town - ROB in lieu of LC No.49 at Km.63/15-64/1 - 1 x 26.00 M + 2 x 25.00 M PSC girder on Haranahalli - Shimoga Town section. (District Road) IDD-RITES	49	No	6.03	Estimate not sanctioned.	-	-	Not fixed	N.A	Tender to be called after completion of LC 48.
19	100	Banasandra - Hebbal Road Over Bridge in lieu of level crossing No; 142 at km 212/600-700	142	No	7.8	Estimate not sanctioned.	-	-	Not fixed	N.A	GAD yet to be finalised.
20	101	Bangalore - Tumkur ROB in lieu of LC No.4 (Jalahalli/YPR) at km 7/5-6	4	No	7.8	Estimate not sanctioned.	-	-	Not fixed	N.A	GAD yet to be finalised. Defence land is involved.



# Ongoing RoBs / RuBs in Karnataka (5/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
21	102	Mysore - ROB in lieu of LC No.5 at Km.4/700-800 - 3 x 12.50 m (SQ) 25.00 M(SK) PSC girder on Mysore - Belagola section. (SH)	5	No	5.07	Estimate not sanctioned.			Not fixed	N.A	GAD yet to be finalised.
22	103	Bangalore - Nayandahalli - ROB in lieu of LC No: 4 (RPC Layout) at km 3/8-9	4(RPC Layout)	No (Ready)	7.8	3.30	4.50 (BBMP)	Nil	Not fixed	N.A	Tender yet to be called.
23	106	Koppal - Ginigira - Road Over Bridge in lieu of LC No. 62, 64 & 66 @ LC No: 62 at km 115/10-11	62	No	8.06	4.03 Estimate not sanctioned	4.03	-	Not fixed	N.A	GAD yet to be finalised
24	108	Chennasandra - Yelahanka - ROB in lieu of LC No.11 with sub-way at km 13/300-400	11	No	9.86	4.93	4.93 (BBMP)	-	Not fixed	N.A	GAD yet to be finalised
25	109	Rajankunti - Doddaballapur - ROB in lieu of LC No.27 at km 33/600-700	27	No	10.34	5.17	5.17 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
26	110	Doddaballapur - Oddarahalli - ROB in lieu of LC No.32 with sub-way at km 39/400-500	32	No	15.46	7.73	7.73 (NH)	-	Not fixed	N.A	GAD yet to be finalised

# Ongoing RoBs / RuBs in Karnataka (6/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
27	111	Bangarpet - Marallahalli - ROB in lieu of LC No.116 with Sub-way at km 286/800-900	116	No	14.5	7.25	7.25 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
28	112	Devanagonthi - Whitefield - ROB in lieu of LC No.130 with sub-way at km 330/200-300	130	No	11.24	5.62	5.62 (NH)	-	Not fixed	N.A	0
29	113	Whitefield - Krishnarajapuram - ROB in lieu of LC No.133 with sub-way at km 337/300-400	133	No	11.24	5.62	5.62 (BBMP)	-	Not fixed	N.A	GAD yet to be finalised
30	114	Nayandahalli - Kengeri - ROB in lieu of LC No.10 with sub-way at km 10/900-11/000	10	No	16.06	8.03	8.03 (BBMP)	-	Not fixed	N.A	GAD yet to be finalised
31	115	Kengeri - Hejalla - ROB in lieu of LC .16 with sub-way at km 17/500-600	16	No	10.32	5.16	5.16 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
32	116	Ramanagaram - Chennapatna - ROB in lieu of LC No.37 with sub-way at km 44/500-600	37	No	10.66	5.33	5.33 (IDD)	-	Not fixed	N.A	GAD yet to be finalised

# Ongoing RoBs / RuBs in Karnataka (7/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
33	117	Srirangapatna - Naganahally ROB in lieu of 101 with sub-way at 123/800-900	101	No	11.24	5.62	5.62 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
34	118	Yeswanthpur - Yelahanka ROB in lieu of LC No.11 with sub-way at km 15/700-800	11	No	12.76	6.38	6.38 (BBMP)	-	Not fixed	N.A	GAD yet to be finalised
35	119	Genigera - Hitnal - ROB in lieu of LC No.75A with sub-way at km 132/9-133/0	75A	No	11.24	5.62	5.62 (NH)	-	Not fixed	N.A	GAD yet to be finalised
36	120	Bellary Cant- Bellary Junction-ROB in lieu of LC No.111 with sub-way at km 205/7-8	111	No	12.64	6.32	6.32 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
37	121	Bellary Cant- Bellary Junction-ROB in lieu of LC No.112 with sub-way at km 206/3-4	112	No	12.54	6.27	6.27 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
38	122	Hospet-Tungabhadra Dam - ROB in lieu of LC No.11A with sub-way at km 5/7-8	11A	No	12.52	6.26	6.26 (NH)	-	Not fixed	N.A	GAD yet to be finalised

# Ongoing RoBs / RuBs in Karnataka (8/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
39	123	Tungabhadra Dam - Vysanakeri ROB in lieu of LC No.13 with sub-way at km 8/13-14	13	No	12.06	6.03	6.03 (NH)	-	Not fixed	N.A	GAD yet to be finalised
40	124	Deasu - Belagam ROB in lieu of LC No.382 with sub-way at km 608/7-8	382	No	12.66	6.33	6.33 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
41	125	Deasu - Belagam ROB in lieu of LC No.383 with sub-way at km 608/15-609/1	383	No	12.7	6.35	6.35 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
42	126	Belagam - Sambare ROB in lieu of LC No.386 with sub-way at km 611/10-11	386	No	12.74	6.37	6.37 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
43	127	Tinal ghat - Castle rock ROB in lieu of LC No.8 with sub-way at km 14/39606	8	No	11.2	5.6	5.6 (NH)	-	Not fixed	N.A	GAD yet to be finalised
44	128	Hubli - Kusugal ROB in lieu of LC No.1 with sub-way at km 3/14-15	1	No	11.48	5.74	5.74 (NH)	-	Not fixed	N.A	GAD yet to be finalised

# Ongoing RoBs / RuBs in Karnataka (9/9)

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
45	129	Bellary Ju. - Bellary Cantt - ROB in lieu of LC No.110 with sub-way at km 204/7-8	110	No	9.62	4.81	4.81 (IDD)	-	Not fixed	N.A	GAD yet to be finalised
46		MYS-MYS Goods yard terminal RUB in lieu of LC No.109	109	Yes					Completed and commissioned. LC closed.		
47		SBC-MYS RUB in lieu of LC No. 74	74	Yes	5.39	5.39	-		Completed and commissioned. LC closed.		
48		Bhadravathi RoB in lieu of L.C NO.32	32	Yes	12.60 (Detailed estimate approach road portion)	6.30	6.30	Nil	Not fixed	N.A	GAD finalized
49		Bellary City	114	Yes	25.00cr	50%	50%	3.00 Cr	Jan 2010	July 2011	Tender awarded
50		Rangamandhira	Bridge No.1	Yes	2.00cr	Nil	100%	Nil	Jan-10	Sept 2010	Tender awarded

# Ongoing RoBs / RuBs in Karnataka

Sl No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
51		Jolarpete - SBC Section	136 A	Yes	5.38cr	50%	50%	Nil	NA	NA	GAD under process
52		Belguam Road	388A	Yes	3.86cr	50%	50%	Nil	NA	NA	IRCON
53		Maddur	59	Yes	11.38cr	50%	50%	-	-	-	Commenced
54		Shimoga	48	Yes	15.93cr	50%	50%	Nil	NA	NA	Tender called
55		Chamarajanagara Road	53	Yes	10.51cr	50%	50%	Nil	NA	NA	Under Progress
56		Belguam	385	Yes	6.18cr	50%	50%	Nil	NA	NA	IRCON
57		Tumkur	40-41	Yes	15.00cr	50%	50%	Nil	NA	NA	Under Progress
58		Haveri	237	Yes	9.81cr	50%	50%	Nil	NA	NA	Under Progress
59		Kodigehalli	10 B	No	-	-	-	-	-	-	Not sanctioned
60		Sarjapur	131	No	-	-	-	-	-	-	Not sanctioned
61		Bagalkot	46	No	-	-	-	-	-	-	Not sanctioned
62		Hospet	85	No	-	-	-	-	-	-	Not sanctioned
63		Raichur (SCR)	218	Yes	NA	50%	50%	Nil	NA	NA	NA

# Ongoing RoBs / RuBs in Karnataka

SI No.	P.B item No. (2009-10)	Name of ROB/RUB	LC No	Detailed Estimate Sanctioned (Yes/No)	Cost as per P.B or as per Detailed Estimate	Sanctioned Cost		Amount released by State Govt so far	Time Schedule		Remarks
						Rly Share	State Govt. Share (Deposit)		Date of commencement	Date of completion	
64		Perli (SCR)	41	Yes	NA	50%	50%	Nil	NA	NA	NA
65		Perli (SCR)	43A	Yes	NA	50%	50%	Nil	NA	NA	NA
66		Vikrabadh (SCR)	43	Yes	NA	50%	50%	Nil	NA	NA	NA
67		Kankanadi (SR/Rly)	146B	Yes	NA	50%	50%	Nil	NA	NA	NA
68		The LC No. 37, 41, 64, 66 These four Lc's clubed with other four LC's above.									
69											
70											
71											

# Summary of key works Completed(2002-09)

No.	Particulars	Length (Km)	Year
<b>Doubling (C)</b>			
1.	Bellary-Toranagallu	32	2003-2004
2.	Bangarapet-Kamasamundram	12	2004-2005
3.	Bangalore-Kengeri	12	2006-2007
4.	Toranagallu-Bayaluvoddigerri	14	2006-2007
5.	Kengeri – Bidadi	18	2007-2008
6.	Yesvantpur – Gollahalli	20	2007-2008
7.	Bayaluvoddigeri-Kariganuru	15	2007-2008
8.	Bidadi- Ramanagaram	12	2009-2010
9.	Gollahalli- Tumkur	45	2009-2010
	<b>Total (C)</b>	<b>180</b>	
	<b>Total of All Works (A+B+C)</b>	<b>498</b>	



## Expenditure incurred by on Rail Projects (2002-09)

PH	Plan Head Description	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	BG for 2008-09	Total
11	New Line	31.4	74.1	57.9	46.6	73.8	72.1	111.0	<b>466.9</b>
14	Gauge Conversion	29.7	73.9	57.1	36.7	103.8	257.4	151.0	<b>709.6</b>
15	Doubling	32.0	44.8	53.7	31.2	52.7	87.7	241.1	<b>543.2</b>
16	Traffic Facilities	5.5	5.1	7.4	7.7	12.5	12.4	10.4	<b>61.0</b>
30	Road Over / Under Bridges	7.1	8.0	4.5	2.3	8.0	17.9	46.4	<b>94.2</b>
42	Workshops Including PUs	5.0	4.7	3.9	2.5	16.8	11.6	29.941	<b>74.4</b>
64	Other Specified Works	0.03	5.9	9.0	13.8	22.9	22.1	16.0	<b>89.7</b>
	<b>Grand Total</b>	<b>112.3</b>	<b>216.7</b>	<b>193.9</b>	<b>140.8</b>	<b>290.5</b>	<b>481.3</b>	<b>625.0</b>	<b>2060.5</b>

# Release of Funds by GoK for Railway Projects for the last six years (2003-09)

	Name of Scheme	2003-04		2004-05		2005-06		2006-07		2007-08		2008-09		Total	
		A	S	A	S	A	S	A	S	A	S	A	S	A	S
1	Hassan-Mangalore Gauge Conversion Project	10.5	7.0	5.0	5.0	15.0	15.0	15.0	15.0	0.0	0.0	0.0	0.0	45.5	42.0
2	Hsholapur-Gadag Gauge Conversion Project	7.0	3.0	3.0	3.0	8.0	8.0	0.0	0.0	8.0	8.0	1.0	40.0	27.0	62.0
3	K-RIDE - ROB/ RUB Projects	11.7	0.1	1.0	1.0	20.0	20.0	30.0	16.2	26.0	18.2	30.0	20.4	118.7	75.9
4	New Cost Sharing Projects	14.0	8.0	0.0	0.0	20.0	20.0	35.0	74.7	100.0	63.0	100.0	100.0	269.0	265.7
5	Computer Rail Service for Bangalore	0.0	0.0	0.0	0.0	2.0	1.5	10.0	10.0	10.00	8.1	1.0	0.1	23.0	19.7

(Rs in crore)

A- Allotment, S- Spent

# Release of Funds by GoK for Railway Projects for the last six years (2003-09)

	Name of Scheme	2003-04		2004-05		2005-06		2006-07		2007-08		2008-09		Total	
		A	S	A	S	A	A	A	S	A	S	A	S	A	S
6	Cost Sharing Ramanagara-mysore Line Doubling	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.00	20.00	16.2	30.00	52.0	75.0	68.2
7	Land for Railway Cargo Complex	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.00	0.01	0.0	0.01	0.0	5.0	5.0
8	Cost haring Bidar-Gulbarga New Railway Line	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.00	20.00	20.0	42.00	20.0	72.0	45.0
9	Hubli-Ankola Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	5.00	0.0	5.0	0.0
	<b>Total</b>	<b>43.1</b>	<b>18.1</b>	<b>9.0</b>	<b>9.0</b>	<b>65.0</b>	<b>64.5</b>	<b>130.0</b>	<b>125.9</b>	<b>184.0</b>	<b>133.5</b>	<b>209.0</b>	<b>232.5</b>	<b>640.1</b>	<b>583.5</b>

A- Allotment, S- Spent

(Rs in crore)

## Release of funds for Railway Projects by GoK in 2009-10

No	Name of Scheme	Funds Released in 2009-10 (Rs. Crores)
1	Hassan- Mangalore Gauge Conversion project	9.0
2	Hsholapur-Gadag Gauge Conversion Project	28.0
3	K-RIDE - ROB/ RUB Projects	30.0
4	New Cost Sharing Projects	100.0
5	Computer Rail Service for Bangalore	1.0
6	Cost Sharing Ramanagarama-Mysore Line Doubling	25.0
7	Land for Railway Cargo Complex	.01
8	Cost haring Bidar-Gulbarga New Railway Line	50.0
9	Hubli-Ankola Project	.01
	<b>Total</b>	<b>243.0</b>

# Construction of New Lines



**Kurchi-Bagalkot (111 Km)**

**Bidar – Gulbarga (106 Km)**

**Hubli-Ankola (167 km) – Temporarily stopped for want of forest clearance.**

**Kottur-Harihar (67 km) - In progress**

**Kadur - Chikmagalur – Sakleshpur (93 km) – In progress**

**Rayadurga - Tumkur (212 kms) - In progress**

**Hassan-Bangalore(via Shraavanabelagula (166 km)-Hassan-Shraavanabelagula commissioned & Chikbanawar-Nilamangala ready**

**Bangalore- Sathyamagalam Via Kanakapura (260km) – In progress**

**Munirabad to Raichur (190km) – In progress**

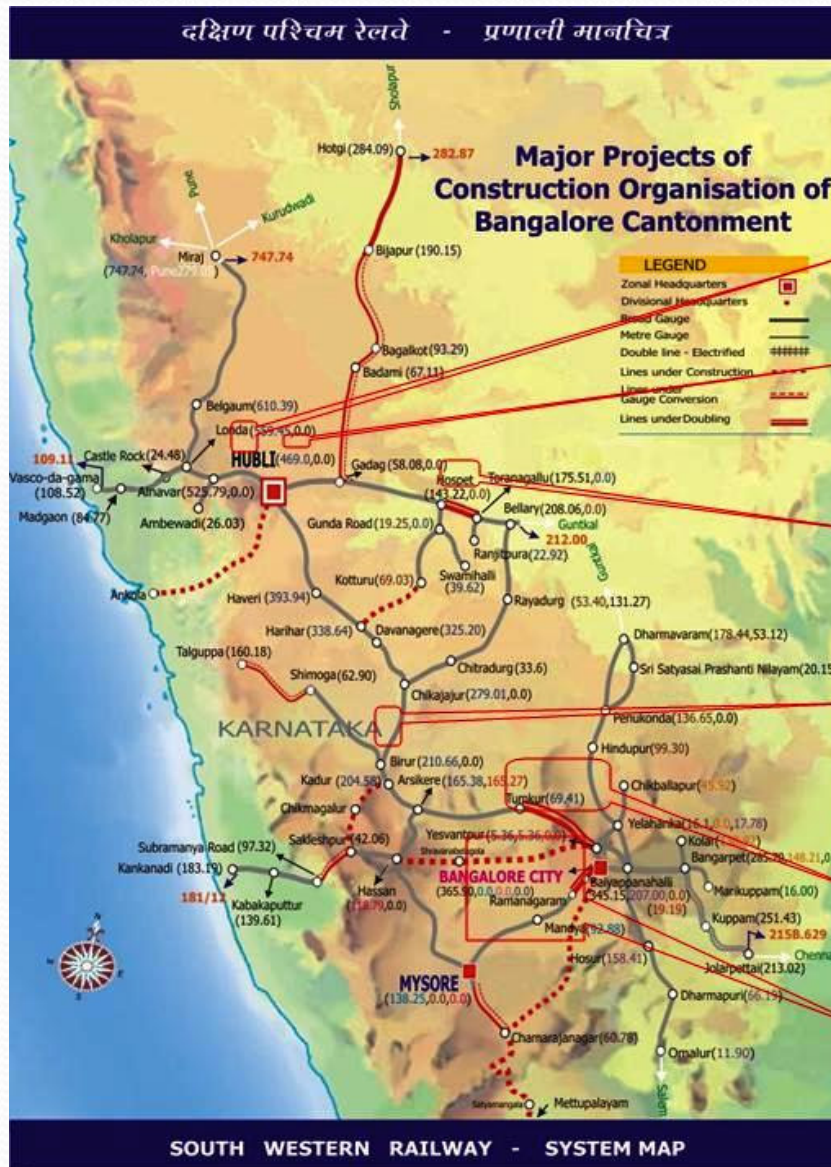
# Projects taken up for Gauge Conversion



**Shimoga-Talaguppa(97 km) - In progress.**

**Kolar – Chikballapur (87 km) - In progress**

# Projects on Doubling of Existing Lines



**Dharwad - Kambarganvi (26.68 km) - In progress**

**Hubli - Hebsur (17.17 km) - In progress**

**Hospet-Toranagallu (32 km) - Completed & commissioned.**

**Arsikere - Birur (44.28 km) - In progress.**

**Yeswantpur-Tumkur (62.92 km) - Yeswantpur-Gollahalli(20 km), Gollahalli-Nidvanda (20 km) completed. Nidavanda - Tumkur (22 km) in progress.**

**Bangalore - Mysore (135.00 km) - Bangalore-Kengeri(13 km), Kengeri-Bidadi(17.6km) - completed. Bidadi - Ramanagaram(14km) - completed. Ramanagaram-Shettihalli-in progress.**

# Southern Railway



- Covers south and coastal part of Karnataka





# South Central Railway



- Covers eastern part of Karnataka



# South Western Railways



- Major part of Karnataka is covered in this zone



# Konkan Railway

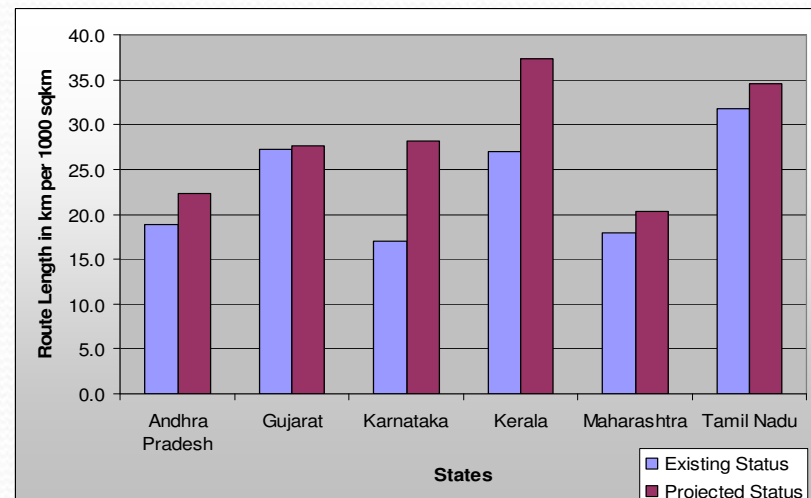
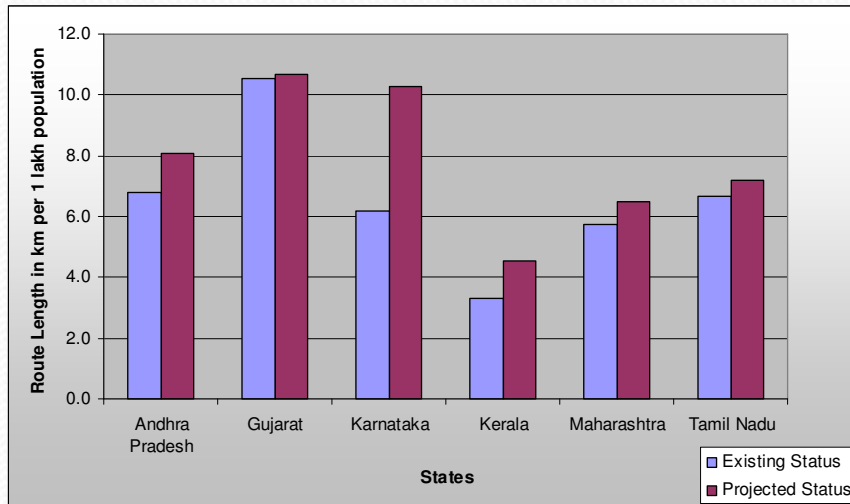


- Covers coastal part of Karnataka



# Comparison of Rail network before & after completion of Ongoing Projects

States	Route length per 1000 sqkm area (in Kilometres)		Route length per 100,000 population (in Kilometres)	
	Existing Status	Projected Status	Existing Status	Projected Status
Andhra Pradesh	18.8	22.4	6.8	8.1
Gujarat	27.2	27.6	10.5	10.7
<b>Karnataka</b>	<b>16.9</b>	<b>28.2</b>	<b>6.2</b>	<b>10.3</b>
Kerala	27.0	37.3	3.3	4.6
Maharashtra	18.0	20.4	5.7	6.5
Tamil Nadu	31.8	34.5	6.6	7.2





# Namaskaragalu

